

TECHNIQUES FOR IMPROVING TELEPHONE AUDIO QUALITY

ABSTRACT OF THE DISCLOSURE

Methods and apparatus are described for use with a near-end telephone. The near-end telephone is operable to generate an outgoing signal directed to a far-end telephone and to receive an incoming signal generated at least in part by the far-end telephone. A first signal processor is operable to dynamically adjust a first signal level associated with the outgoing signal with reference to the first signal level. A second signal processor is operable to dynamically adjust a second signal level associated with the incoming signal with reference to the second signal level. The first and second signal processors are further operable to control a loop gain to inhibit loop instability.